

portion;

a second tapered wedge segment comprising a first end portion and a second end portion, said first and second wedge segments joined at said first end portions to form a substantially U-shaped body; and
a slot defined by an area between said first and second wedge segments and extending from said first end portions to said joined second end portions of said wedge segments.

[c7] A jet pump assembly in accordance with Claim 6 wherein said wedge apparatus further comprises a lug extending from said joined second end portions of said wedge segments, said lug comprising a bore extending therethrough.

[c8] A jet pump assembly in accordance with Claim 6 wherein said wedge apparatus further comprises a notch in said first end portions of said first and said second wedge segments.

[c9] A jet pump assembly in accordance with Claim 6 wherein a longitudinal axis of said first wedge segment and a longitudinal axis of said second wedge segment are substantially parallel.

[c10] A jet pump assembly in accordance with Claim 6 wherein said first and second tapered wedge segments are rotated with respect to each other along a longitudinal axis of said apparatus.

[c11] A jet pump assembly in accordance with Claim 6 wherein said slot is sized to receive a restrainer bracket set screw.

[c12] 12. A jet pump assembly in accordance with Claim 11 wherein said first and second wedge segments are deformable around said set screw.

[c13] A method of restoring a tight rigid fit between an inlet mixer and an adjacent restrainer bracket in a nuclear reactor pressure vessel, the restrainer bracket coupled to a jet pump riser pipe and comprising at least one set screw, said method comprising:
inserting a piping support wedge apparatus between the restrainer bracket and the inlet mixer; and

compressing the wedge apparatus around the restrainer bracket set screw, the wedge apparatus comprising:

a first tapered wedge segment comprising a first end portion and a second end portion;

a second tapered wedge segment comprising a first end portion and a second end portion, the first and second wedge segments joined at the first ends portions to form a substantially U-shaped body; and

a slot defined by an area between the first and second wedge segments and extending from the first end portions to the joined second end portions of the wedge segments.

[c14] A method in accordance with Claim 13 wherein the wedge apparatus further comprises a lug extending from the joined second end portions of the wedge segments, the lug comprising a bore extending therethrough, and inserting a piping support wedge apparatus between the restrainer bracket and the inlet mixer comprises:

coupling a handling pole to the lug bore; and

lowering the wedge apparatus in place between the restrainer bracket and the inlet mixer.

[c15] A method in accordance with Claim 13 wherein a longitudinal axis of the first wedge segment and a longitudinal axis of the second wedge segment are substantially parallel.

[c16] A method in accordance with Claim 13 wherein the first and second tapered wedge segments are rotated with respect to each other along a longitudinal axis of the wedge apparatus.

[c17] A method in accordance with Claim 13 wherein the wedge apparatus further comprises a notch in the first end portions of the first and second wedge segments.

[c18] A method in accordance with Claim 17 wherein the slot is sized to receive a restrainer bracket set screw, and inserting a piping support wedge apparatus comprises positioning the wedge apparatus between the restrainer bracket and

the inlet mixer with an restrainer bracket set screw positioned inside the slot..

- [c19] A method in accordance with Claim 18 wherein the first and second wedge segments are deformable around the set screw, and compressing the wedge apparatus comprises:
- engaging the notches with an installation tool; and
 - deforming the the first and second wedge segments around the restrainer bracket set screw.